

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
 Data File : VN055372.D
 Acq On : 3 May 2019 2:22
 Operator : JC/SP
 Sample : K2658-13 10X
 Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-FD-01

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.593	1791	1810	1821	rBV2	301624	764391	4.67%	0.473%
2	7.667	1821	1833	1852	rVB	498680	1183947	7.23%	0.733%
3	8.027	1929	1945	1972	rBV	331855	804938	4.92%	0.499%
4	8.587	2102	2119	2155	rBV	810763	1805332	11.03%	1.118%
5	10.091	2573	2587	2618	rBV	1306620	2746478	16.78%	1.701%
6	10.255	2630	2638	2658	rVB6	79352	190611	1.16%	0.118%
7	10.432	2684	2693	2711	rVB	229260	428257	2.62%	0.265%
8	10.532	2711	2724	2732	rBV2	121799	255567	1.56%	0.158%
9	10.625	2745	2753	2763	rVB2	128233	204728	1.25%	0.127%
10	10.718	2771	2782	2794	rVB	404717	681362	4.16%	0.422%
11	10.818	2800	2813	2827	rBV	332669	701725	4.29%	0.435%
12	10.889	2827	2835	2851	rVV5	164230	381453	2.33%	0.236%
13	11.005	2859	2871	2881	rBV	1033351	1882641	11.50%	1.166%
14	11.059	2882	2888	2896	rVB	177644	247631	1.51%	0.153%
15	11.124	2896	2908	2916	rBV3	773853	1437114	8.78%	0.890%
16	11.210	2926	2935	2950	rVB2	969028	1928647	11.78%	1.195%
17	11.291	2950	2960	2968	rBV	298829	493859	3.02%	0.306%
18	11.406	2984	2996	3014	rBV	1122803	2476405	15.13%	1.534%
19	11.490	3014	3022	3030	rBV4	179380	305468	1.87%	0.189%
20	11.542	3030	3038	3045	rBV	668366	1040287	6.35%	0.644%
21	11.593	3045	3054	3063	rBV7	884898	1712551	10.46%	1.061%
22	11.654	3063	3073	3081	rBV2	3224727	5847103	35.71%	3.622%
23	11.696	3081	3086	3097	rVB2	2200242	3552203	21.70%	2.200%
24	11.757	3097	3105	3111	rBV3	459625	801532	4.90%	0.496%
25	11.812	3112	3122	3126	rBV3	398012	710259	4.34%	0.440%
26	11.850	3127	3134	3142	rVB3	1237354	1894715	11.57%	1.174%
27	11.921	3142	3156	3169	rBV5	4628095	11352070	69.34%	7.032%
28	12.043	3187	3194	3202	rBV	4496601	5946374	36.32%	3.683%
29	12.120	3210	3218	3223	rBV3	3196058	5125825	31.31%	3.175%
30	12.165	3224	3232	3249	rVB6	6214514	12459630	76.10%	7.718%
31	12.403	3295	3306	3316	rBV7	1864881	3613145	22.07%	2.238%
32	12.487	3316	3332	3339	rBV5	1705007	5080128	31.03%	3.147%
33	12.561	3348	3355	3371	rVB3	5232695	11609850	70.91%	7.191%
34	12.644	3372	3381	3391	rBV6	2141014	4622252	28.23%	2.863%

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Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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35	12.728	3393	3407	3416	rVV5	6248977	16372037	100.00%	10.141%
36	12.779	3417	3423	3433	rVB2	3411621	5403298	33.00%	3.347%
37	12.866	3444	3450	3457	rVB5	1660322	2220227	13.56%	1.375%
38	12.960	3473	3479	3494	rVB3	5018246	8770641	53.57%	5.433%
39	13.165	3533	3543	3551	rVV6	1980582	4044729	24.71%	2.505%
40	13.239	3552	3566	3587	rVB	4665893	10739735	65.60%	6.652%
41	13.612	3670	3682	3688	rBV2	839335	1766833	10.79%	1.094%
42	13.660	3688	3697	3708	rVB3	3806909	6618098	40.42%	4.099%
43	13.886	3760	3767	3777	rVB	2294706	3701762	22.61%	2.293%
44	13.992	3791	3800	3809	rVB4	1312866	2169530	13.25%	1.344%
45	14.178	3848	3858	3864	rBV6	972278	2110748	12.89%	1.307%
46	14.294	3885	3894	3898	rBV2	322749	514094	3.14%	0.318%
47	14.329	3899	3905	3912	rVB3	538274	769082	4.70%	0.476%
48	14.525	3961	3966	3974	rVB4	123329	165740	1.01%	0.103%
49	14.593	3977	3987	3996	rVV2	396202	761973	4.65%	0.472%
50	14.644	3996	4003	4014	rVB4	235867	408934	2.50%	0.253%
51	14.847	4062	4066	4073	rVB4	137244	170544	1.04%	0.106%
52	14.889	4074	4079	4090	rVV6	83084	178518	1.09%	0.111%
53	14.950	4092	4098	4110	rVB5	140775	270372	1.65%	0.167%

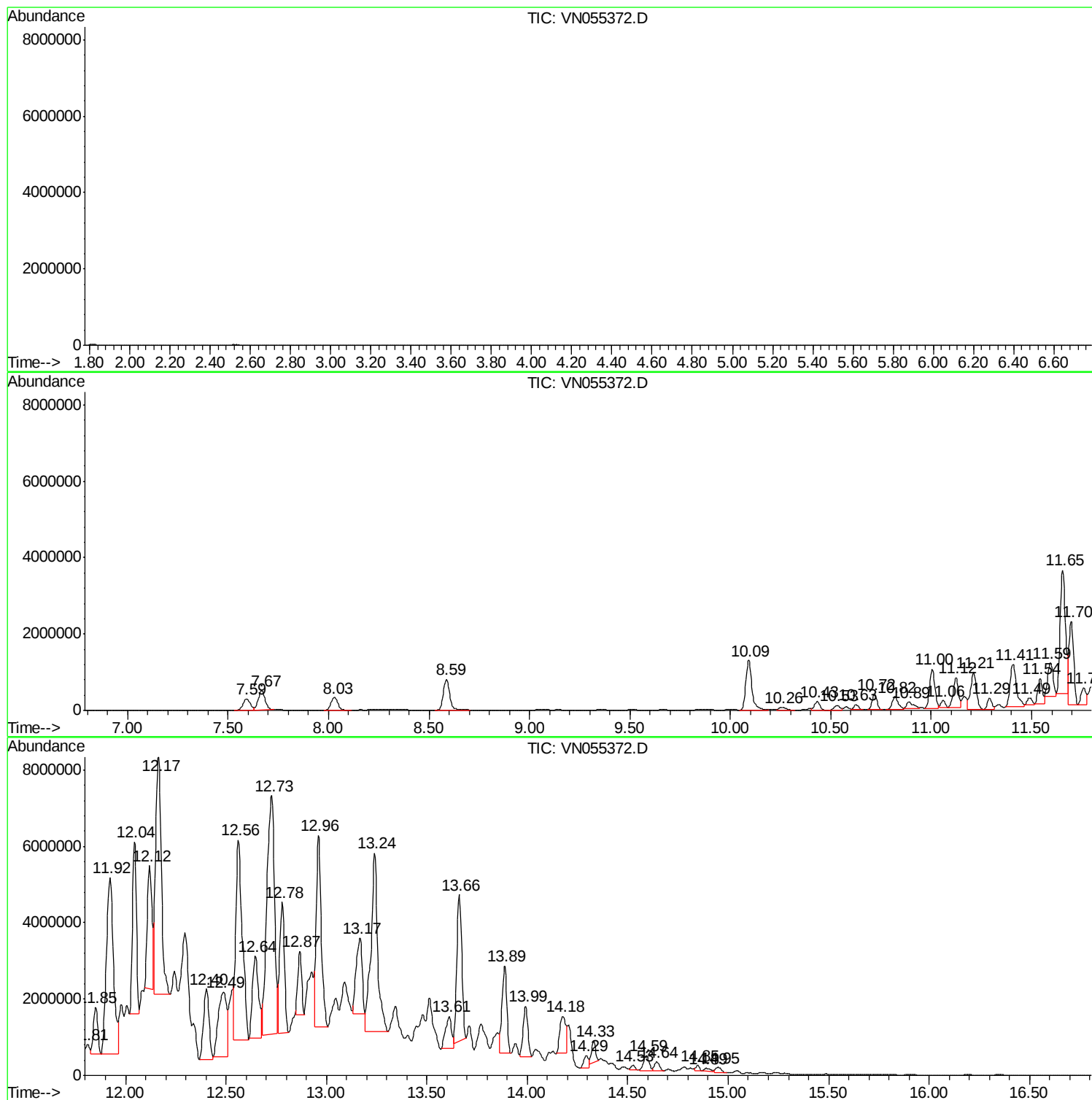
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ClientSampleId :
EP1-SB-FD-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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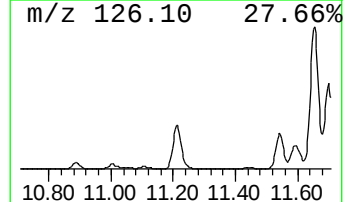
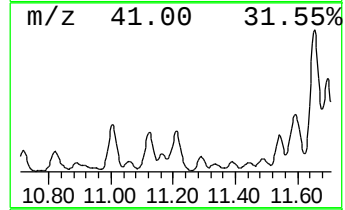
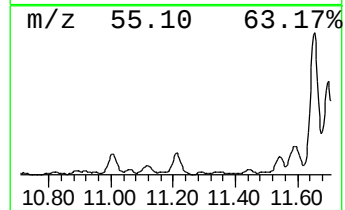
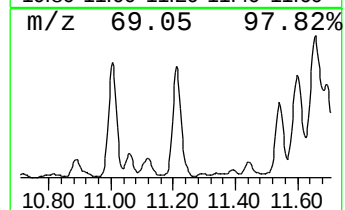
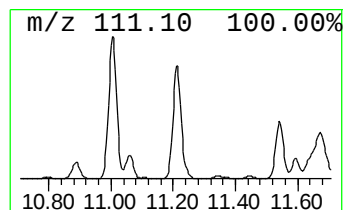
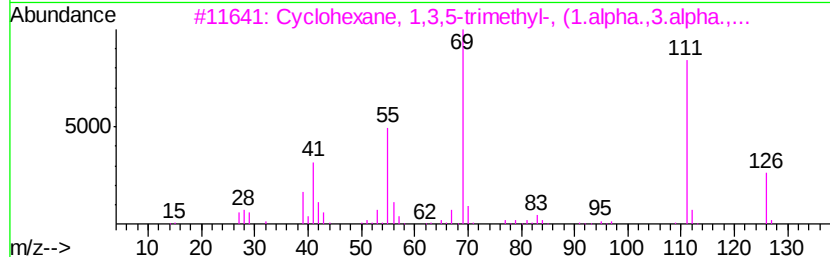
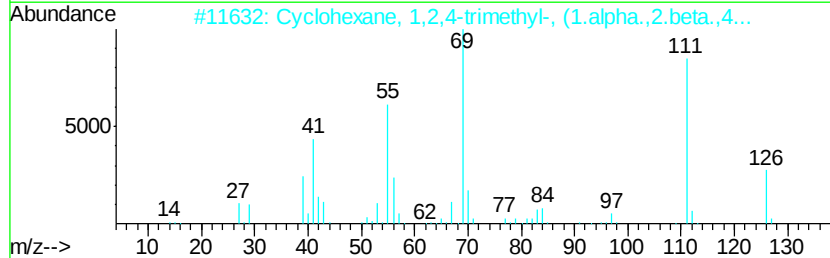
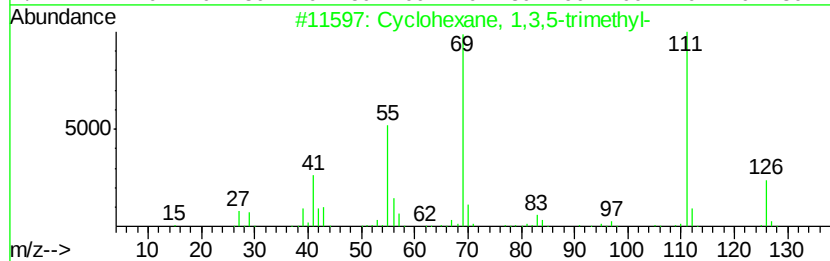
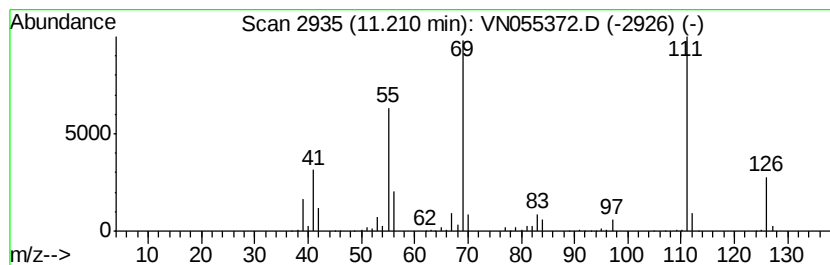
Instrument :
MSVOA_N
ClientSampled :
EP1-SB-FD-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclohexane, 1,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.21	38.94 ug/l	1928650	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
2		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
3		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
5		Cvclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74



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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-FD-01

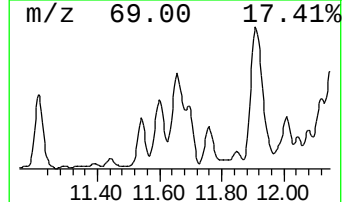
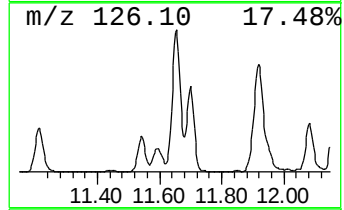
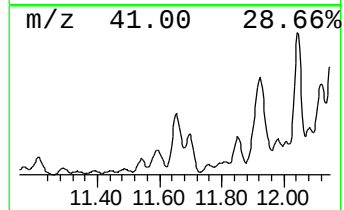
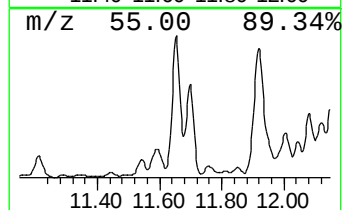
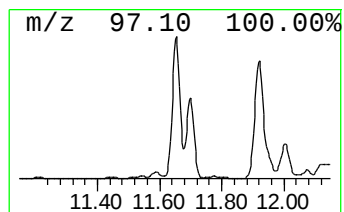
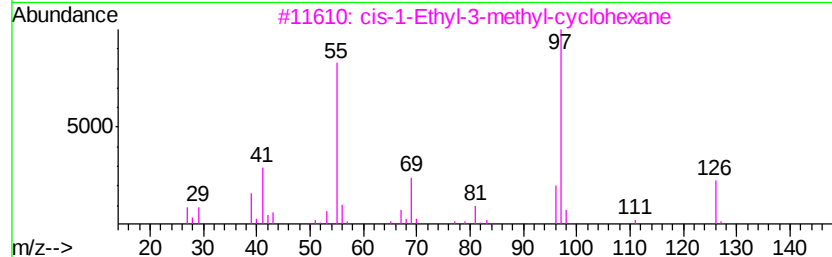
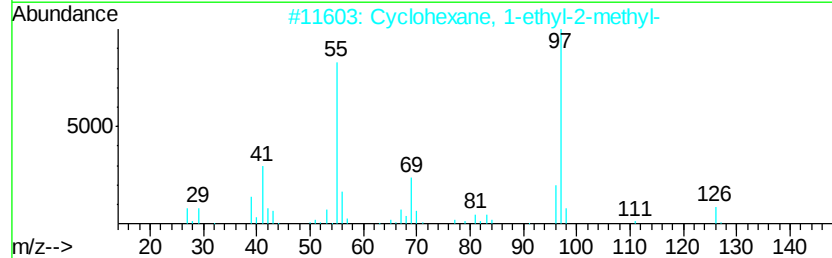
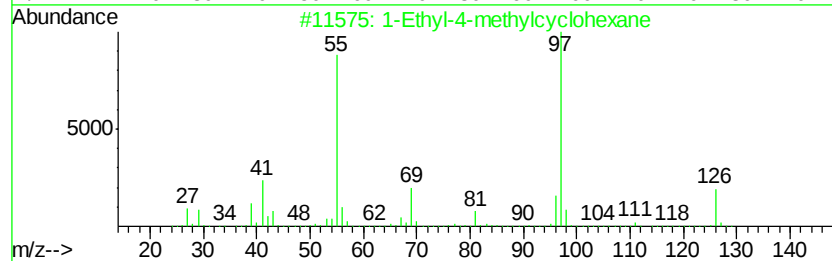
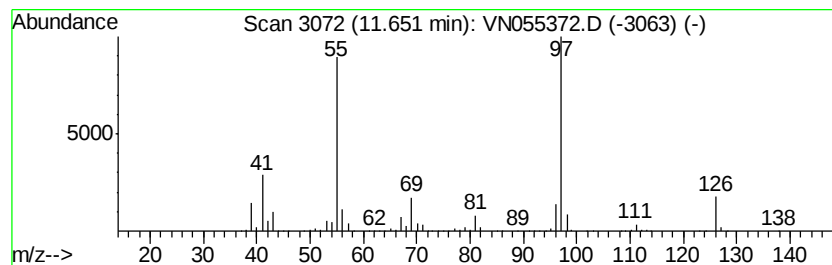
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Ethyl-4-methylcyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	118.06 ug/l	5847100	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
3		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86



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Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

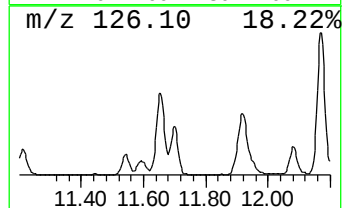
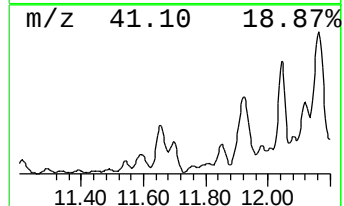
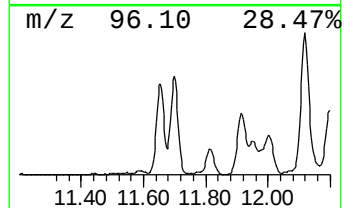
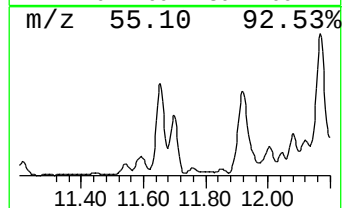
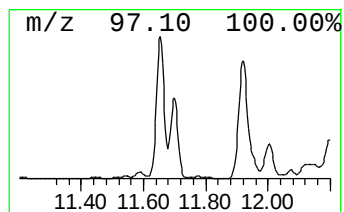
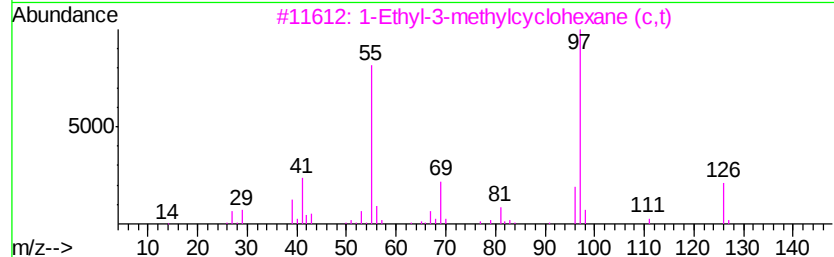
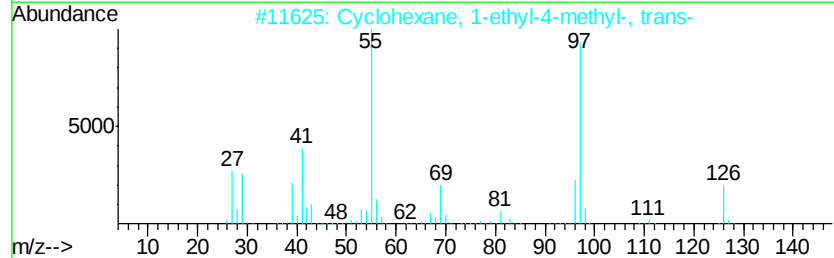
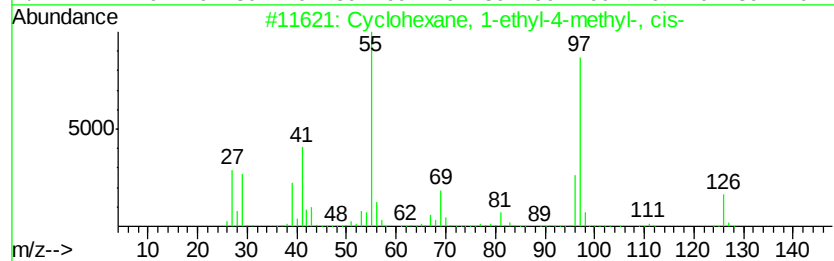
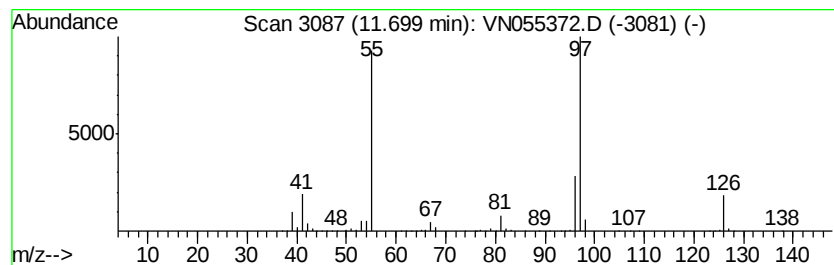
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.70	71.72 ug/l	3552200	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
2		Cvclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
3		1-Ethyl-3-methylcvclohexane (c,t)	126	C9H18	003728-55-0	80
4		1-Ethyl-4-methylcvclohexane	126	C9H18	003728-56-1	78
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72



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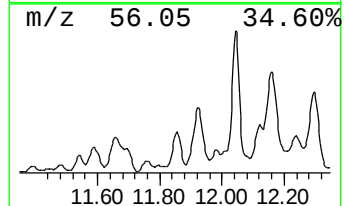
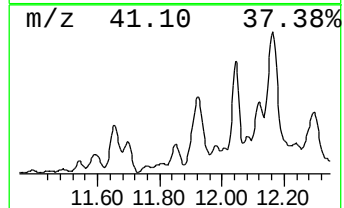
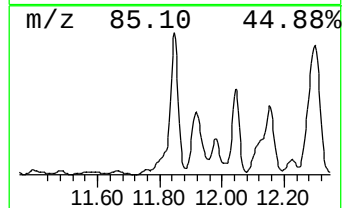
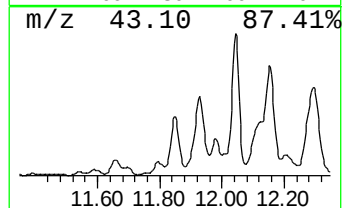
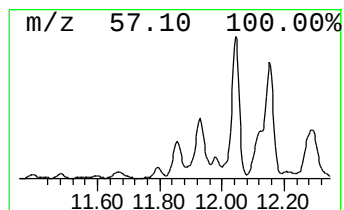
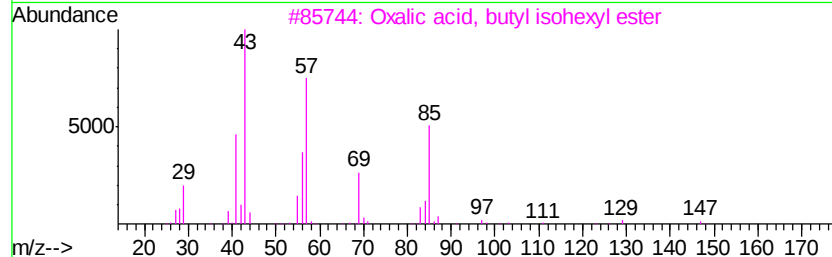
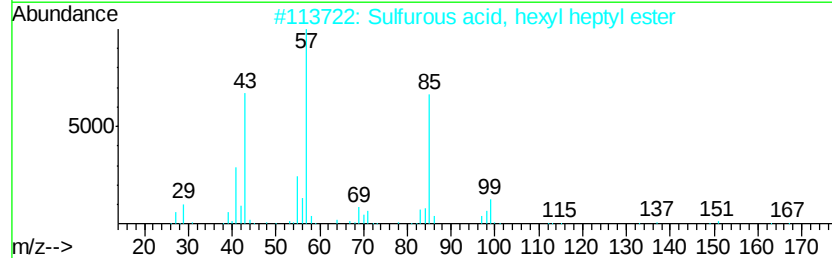
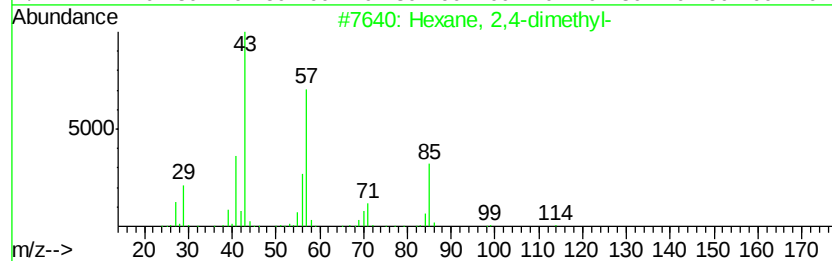
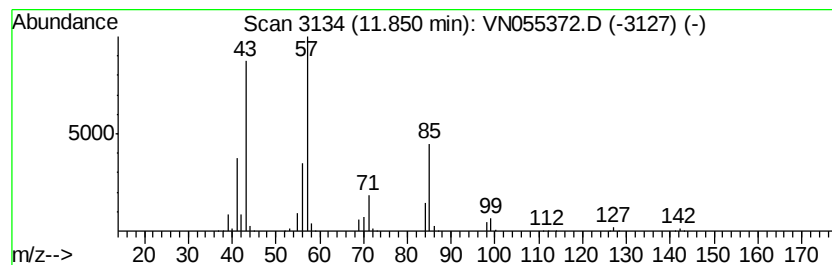
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexane, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	38.26 ug/l	1894720	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexane, 2,4-dimethyl-	114 C8H18	000589-43-5	72
2	Sulfurous acid, hexyl heptyl ester	264 C13H28O3S	1000309-12-9	64
3	Oxalic acid, butyl isohexyl ester	230 C12H22O4	1000309-32-7	59
4	Hexane, 1,1'-oxybis-	186 C12H26O	000112-58-3	59
5	Pentane, 2,2-dimethyl-	100 C7H16	000590-35-2	59



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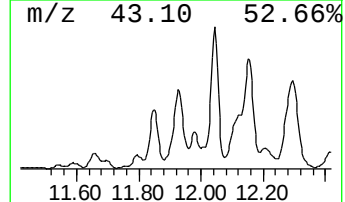
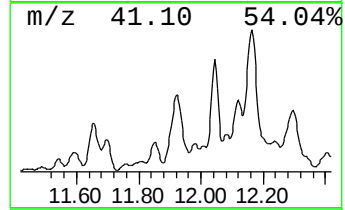
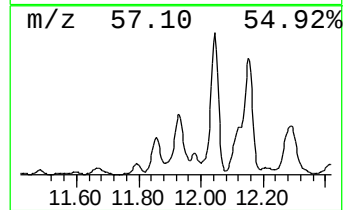
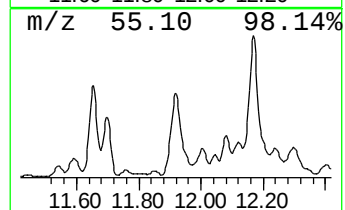
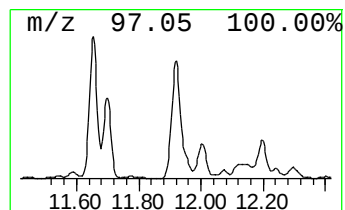
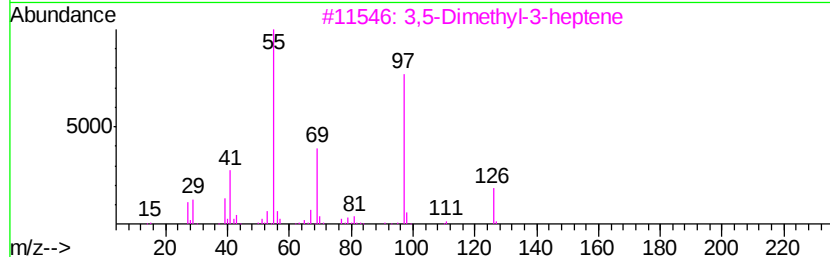
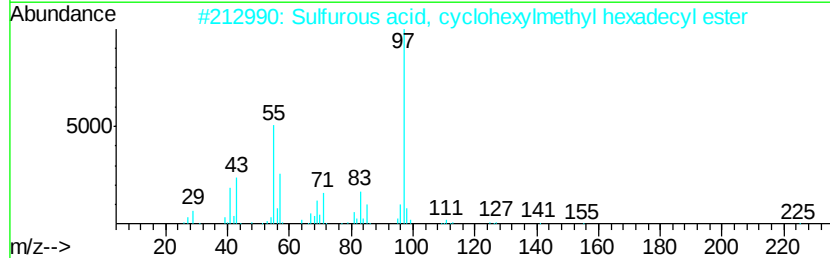
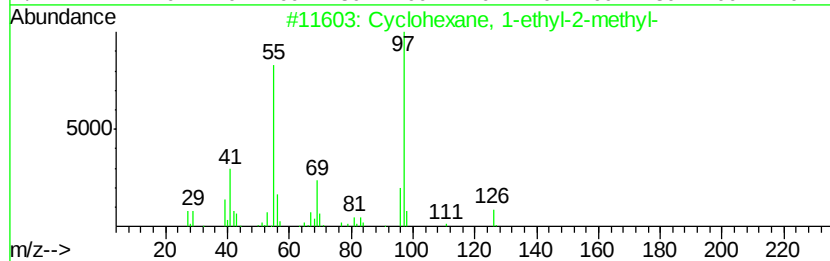
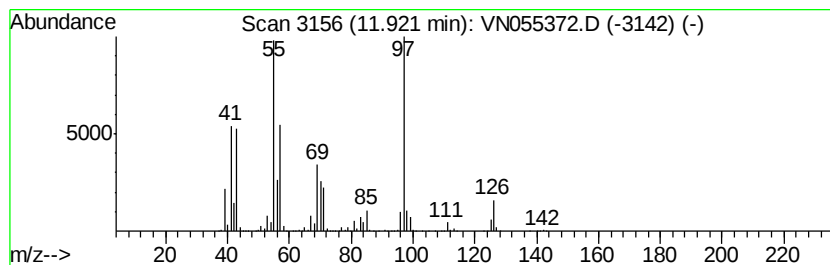
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-FD-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	229.21 ug/l	11352100	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-ethyl-2-methyl-	126 C9H18	003728-54-9 58
2		Sulfurous acid, cyclohexylmethyl...	402 C23H46O3S	1000309-22-4 53
3		3,5-Dimethyl-3-heptene	126 C9H18	059643-68-4 53
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126 C9H18	004923-78-8 52
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126 C9H18	004923-77-7 52



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055372.D
Acq On : 3 May 2019 2:22
Operator : JC/SP
Sample : K2658-13 10X
Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

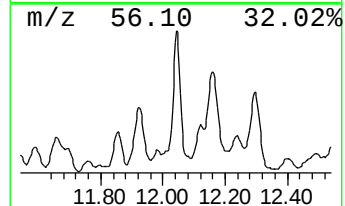
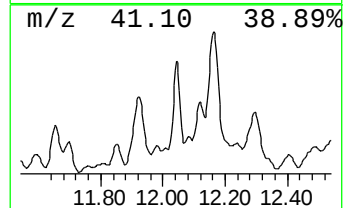
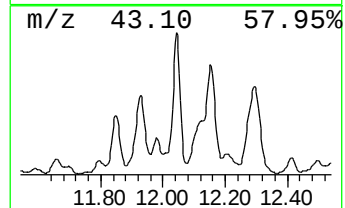
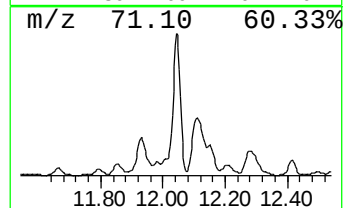
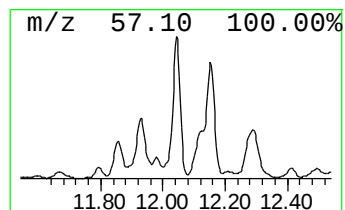
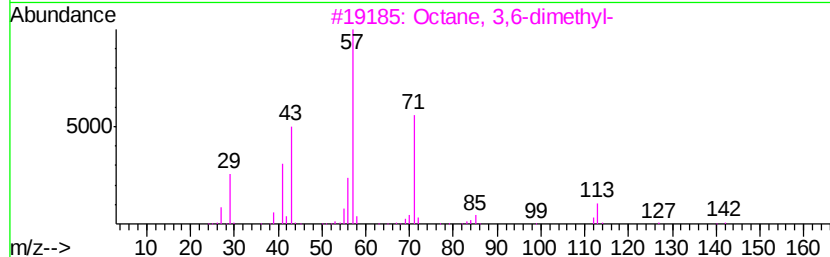
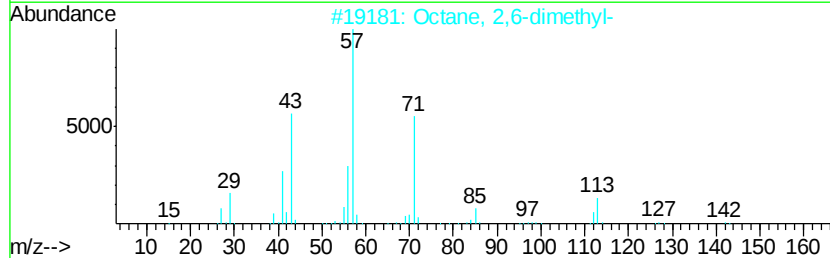
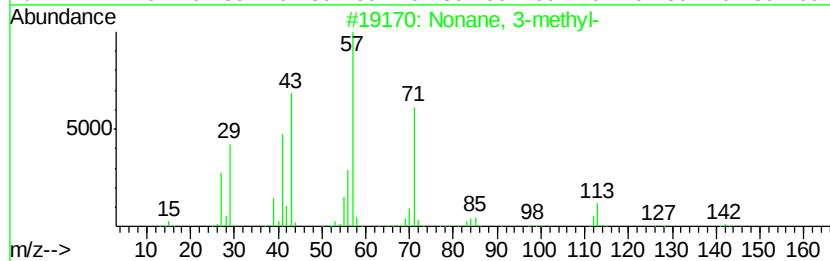
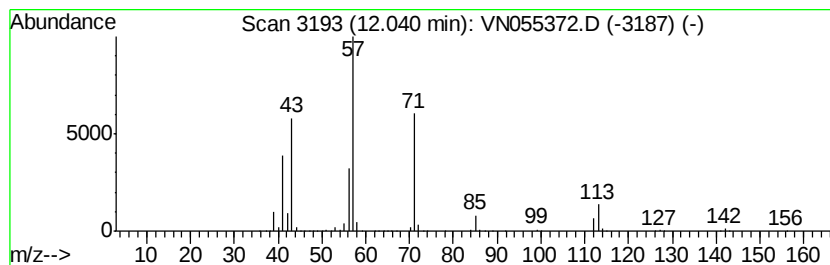
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-FD-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	120.06 ug/l	5946370	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3-methyl-	142 C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	91
3	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	91
4	Sulfurous acid, butyl 2-ethylhex...	250 C12H26O3S	1000309-18-8	64
5	Butane, 2,2-dimethyl-	86 C6H14	000075-83-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
 Data File : VN055372.D
 Acq On : 3 May 2019 2:22
 Operator : JC/SP
 Sample : K2658-13 10X
 Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-FD-01

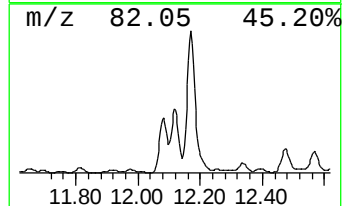
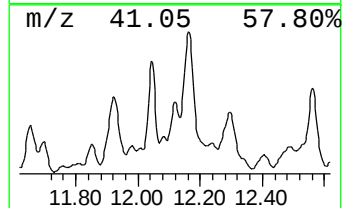
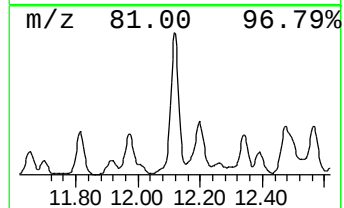
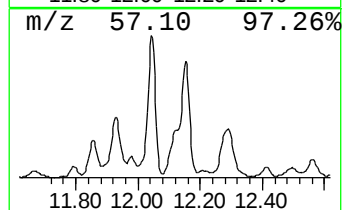
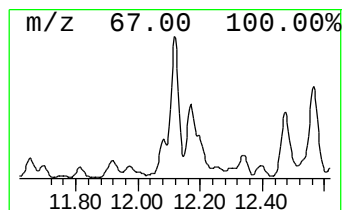
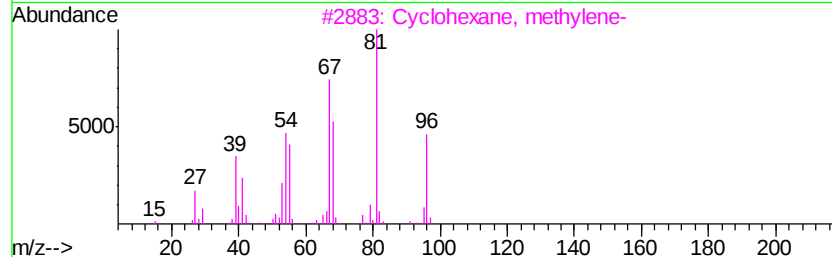
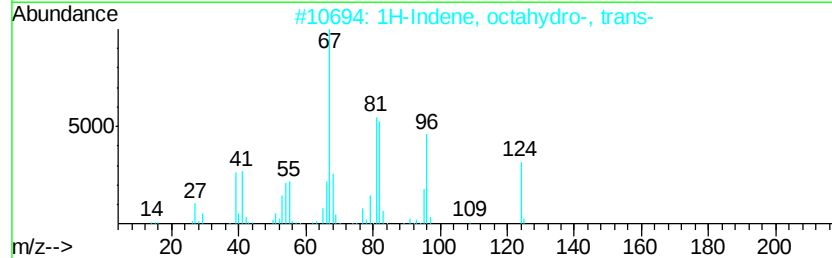
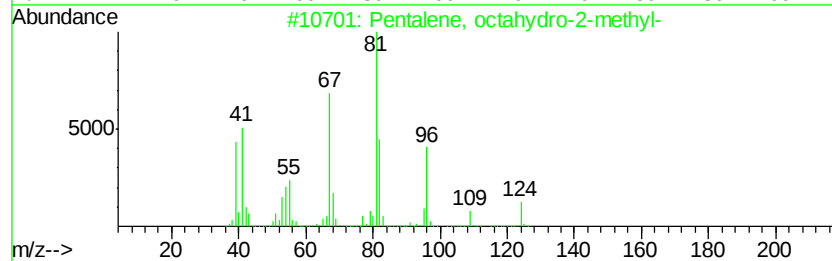
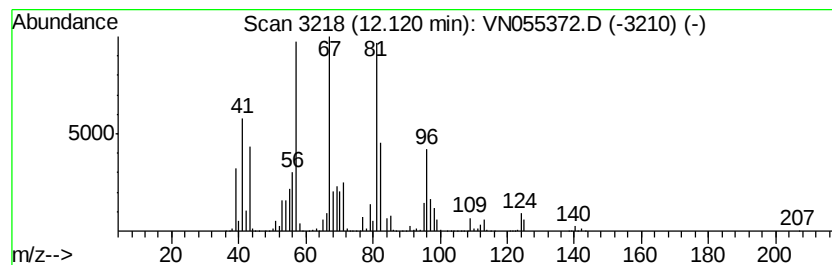
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 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Pentalene, octahydro-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	103.49 ug/l	5125830	Chlorobenzene-d5	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	91
2		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
3		Cyclohexane, methylene-	96	C7H12	001192-37-6	52
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
5		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055372.D
Acq On : 3 May 2019 2:22
Operator : JC/SP
Sample : K2658-13 10X
Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

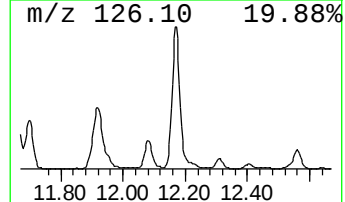
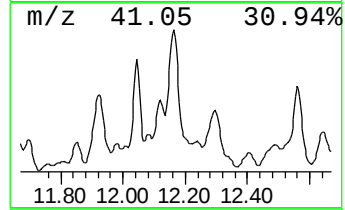
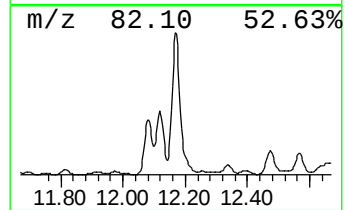
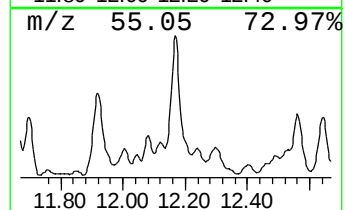
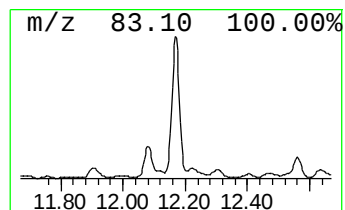
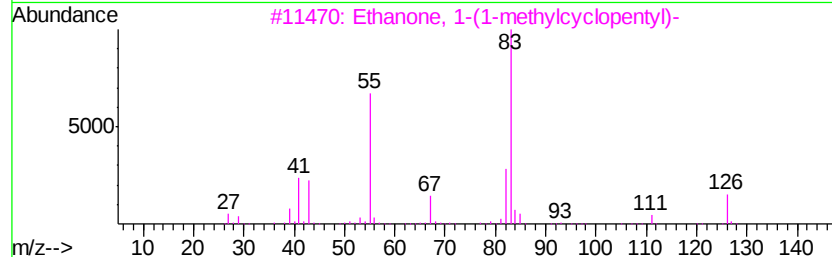
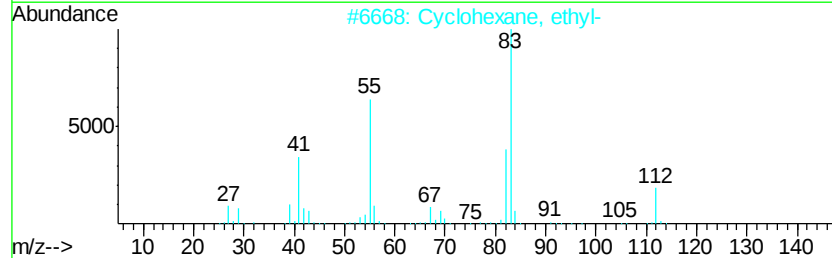
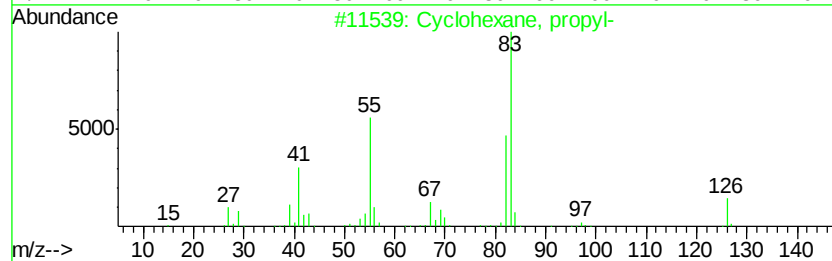
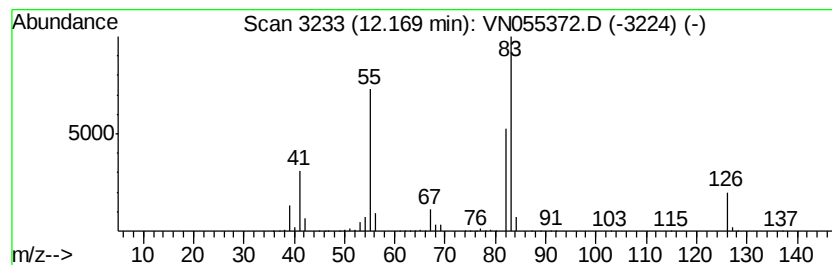
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-FD-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.17	251.57 ug/l	12459600	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, propyl-	126	C9H18	001678-92-8	90
2		Cvclohexane, ethyl-	112	C8H16	001678-91-7	72
3		Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
4		Cvclohexane, 2-propenyl-	124	C9H16	002114-42-3	59
5		Oxalic acid, cyclohexyl octyl ester	284	C16H28O4	1000309-31-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050219\
Data File : VN055372.D
Acq On : 3 May 2019 2:22
Operator : JC/SP
Sample : K2658-13 10X
Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-FD-01

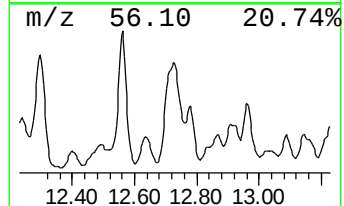
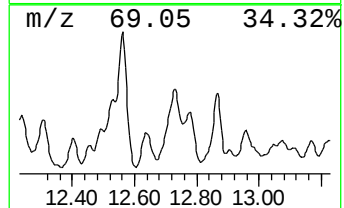
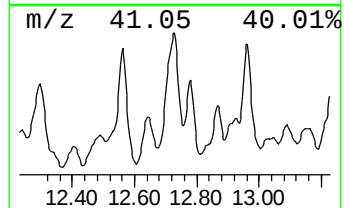
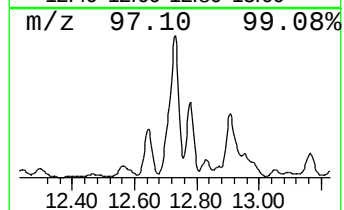
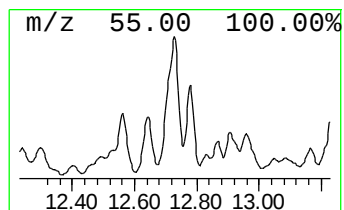
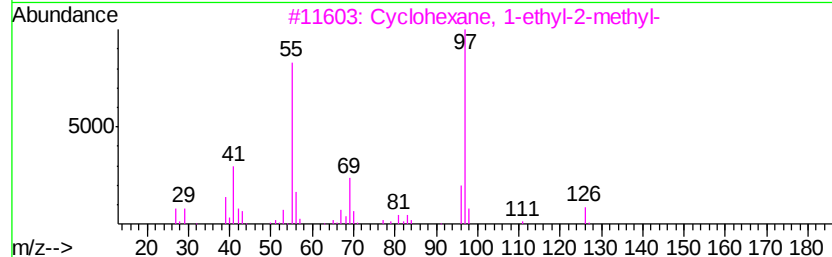
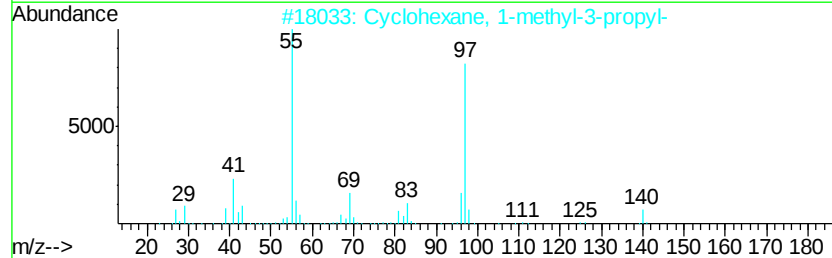
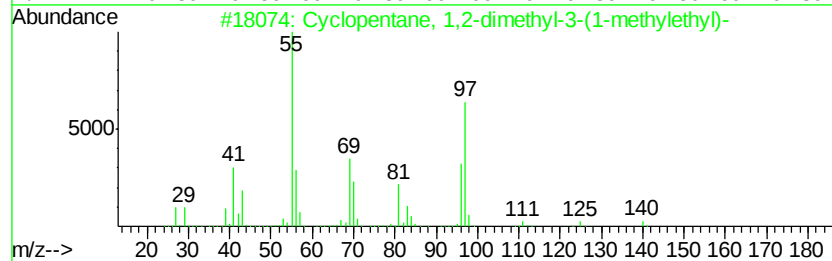
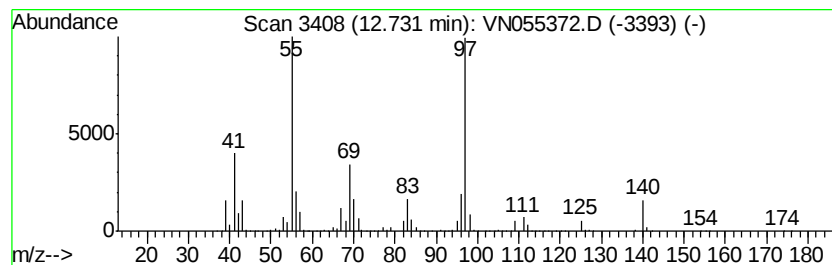
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclopentane, 1,2-dimethyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	76.22 ug/l	16372000	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	83
2		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	72
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
4		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055372.D
Acq On : 3 May 2019 2:22
Operator : JC/SP
Sample : K2658-13 10X
Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

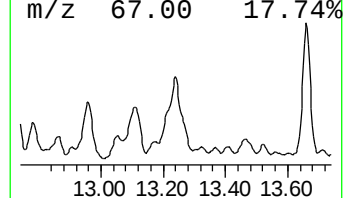
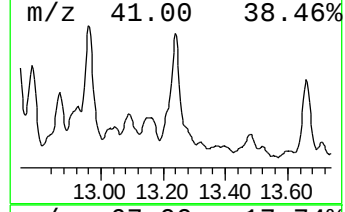
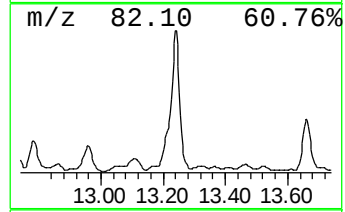
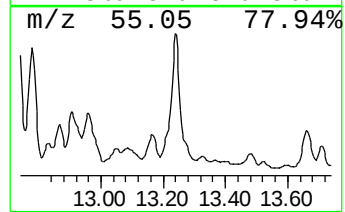
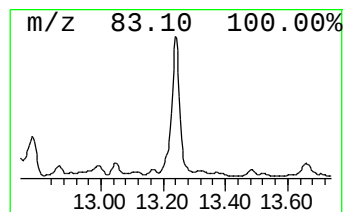
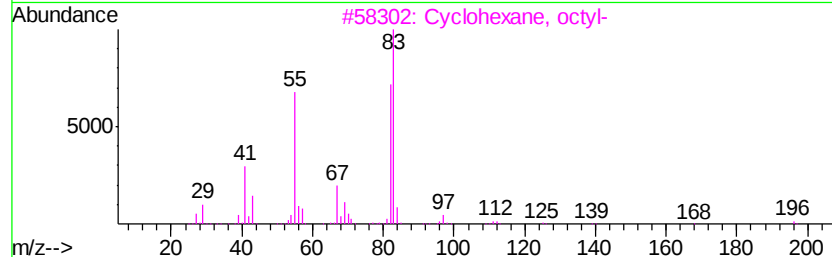
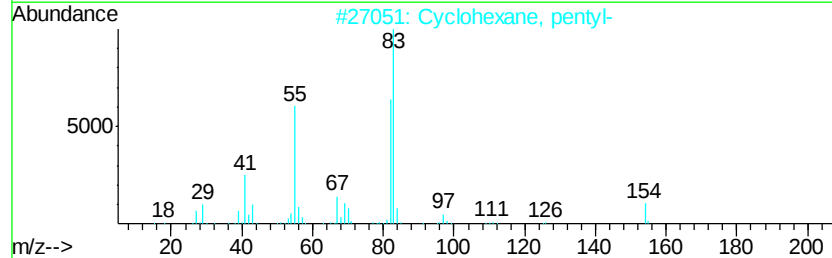
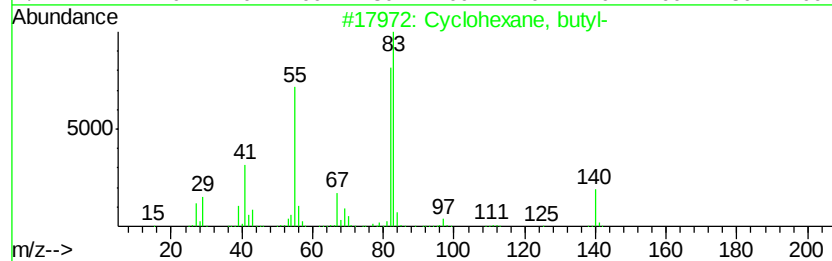
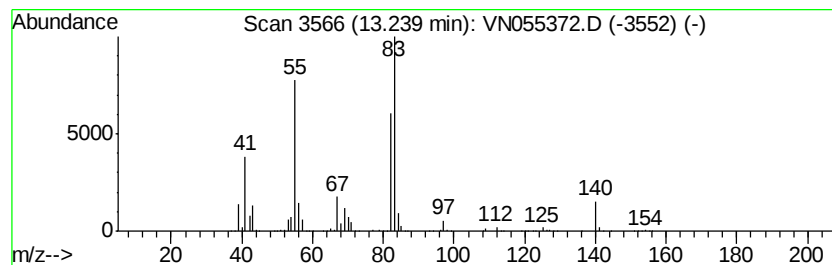
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclohexane, butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	50.00 ug/l	10739700	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 97
2		Cyclohexane, pentyl-	154 C11H22	004292-92-6 90
3		Cyclohexane, octyl-	196 C14H28	001795-15-9 80
4		Cyclohexane, propyl-	126 C9H18	001678-92-8 78
5		Cyclohexane, ethyl-	112 C8H16	001678-91-7 78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050219\
Data File : VN055372.D
Acq On : 3 May 2019 2:22
Operator : JC/SP
Sample : K2658-13 10X
Misc : 6.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-FD-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1,3,...	11.21	38.9	ug/l	1928650	3	11.41	2476410	50.0
1-Ethyl-4-methylc...	11.65	118.1	ug/l	5847100	3	11.41	2476410	50.0
Cyclohexane, 1-et...	11.70	71.7	ug/l	3552200	3	11.41	2476410	50.0
Hexane, 2,4-dimet...	11.85	38.3	ug/l	1894720	3	11.41	2476410	50.0
Cyclohexane, 1-et...	11.92	229.2	ug/l	11352100	3	11.41	2476410	50.0
Nonane, 3-methyl-	12.04	120.1	ug/l	5946370	3	11.41	2476410	50.0
Pentalene, octahy...	12.12	103.5	ug/l	5125830	3	11.41	2476410	50.0
Cyclohexane, propyl-	12.17	251.6	ug/l	12459600	3	11.41	2476410	50.0
Cyclopentane, 1,2...	12.73	76.2	ug/l	16372000	4	13.35	10739700	50.0
Cyclohexane, butyl-	13.24	50.0	ug/l	10739700	4	13.35	10739700	50.0